

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Previously Presented) An isolated nucleic acid that is expressed by human prostate cancer cells, wherein said nucleic acid comprises the sequence of SEQ ID NO: 92.

2. (Currently Amended) An isolated nucleic acid which encodes
ValGluThrGluPheHisArgValSerGlnAspGlyLeuAspLeuLeuThrSer ~~—wherein said nucleic acid encodes the entire amino acid sequence of a polypeptide comprising the amino acid sequence (SEQ ID NO:183).~~

Claims 3-15. (Canceled)

16. (Currently Amended) A diagnostic kit for detection of prostate cancer which comprises a nucleic acid according to Claim 1 ~~or 2~~ and a detectable label.

Claims 17-34. (Canceled)

35. (new) A diagnostic kit for detection of prostate cancer which comprises a nucleic acid according to Claim 2 and a detectable label.

36. (new) An isolated nucleic acid probe comprising a detectable label and a nucleic acid sequence which encodes an amino acid sequence comprising
ValGluThrGluPheHisArgValSerGlnAspGlyLeuAspLeuLeuThrSer (SEQ ID NO:183).

37. (new) An isolated nucleic acid component comprising a detectable label and a nucleic acid sequence comprising the sequence of SEQ ID NO: 92.

38. (new) The nucleic acid probe of claim 36 wherein said detectable label is selected from the group consisting of an indicator enzyme, a radiolabel, a fluorophore and a paramagnetic particle.

39. (new) The nucleic acid component of claim 37 wherein said detectable label is selected from the group consisting of an indicator enzyme, a radiolabel, a fluorophore and a paramagnetic particle.

40. (new) An isolated nucleic acid probe comprising a detectable label and a nucleic acid sequence which encodes an amino acid sequence comprising ValGluThrGluPheHisArgValSerGlnAspGlyLeuAspLeuLeuThrSer (SEQ ID NO:183), said detectable label being bond to a nucleic acid sequence encoding SEQ ID NO:183.

41. (new) The nucleic acid probe of claim 40 wherein said detectable label is selected from the group consisting of an indicator enzyme, a radiolabel, a fluorophore and a paramagnetic particle.

42. (new) The kit of claim 16 wherein said detectable label is selected from the group consisting of an indicator enzyme, a radiolabel, a fluorophore and a paramagnetic particle.

43. (new) The kit of claim 35 wherein said detectable label is selected from the group consisting of an indicator enzyme, a radiolabel, a fluorophore and a paramagnetic particle.

44. (new) A nucleic acid component which encodes a fusion protein comprising an amino acid sequence comprising

ValGluThrGluPheHisArgValSerGlnAspGlyLeuAspLeuLeuThrSer (SEQ ID NO:183) and a second protein.

45. (new) The component of claim 44 wherein said second protein is selected from the group consisting of β -galactosidase, β -glucuronidase, green fluorescent protein (GFP), blue fluorescent protein (BFP), glutathione-S-transferase (GST), luciferase, horseradish peroxidase (HRP), chloramphenicol acetyltransferase (CAT), a histidine (His) tag, a FLAG tag, an influenza hemagglutinin (HA) tag, a Myc tag, a VSV-G tag, a thioredoxin (Trx) tag, maltose binding protein (MBP), S-tag, Lex, a DNA binding domain (DBD), a GAL4 DNA binding domain, and a herpes simplex virus (HSV) BP 16 protein.

46. (New) A nucleic acid, wherein said nucleic acid comprises at least nucleotides 1668-1721 of SEQ ID NO: 92.

47. (New) A nucleic acid which, upon introduction in an expression system, expresses a polypeptide comprising the entire amino acid sequence of SEQ ID NO: 183.